



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

647.1712

Job Sheet 171188



Part No: 647.1712

Job Qty: 16 ea

Part Name: Gusset



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/30/18

Job Tracking No:

Due Date: 2/19/18

Created By: Michelle Gagnon-Donovan

Type: Stock

Description:

Note: DWG REV E IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off          |
|-------|--------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|-------------------|
|       |                    |        |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                   |
| 90    | Start up Operation | 16 Ea  |            | 2/17/18  | 0.00      | 0.00    | Start Up Waterjet     |           | DE 18/02/11       |
| 110   | Waterjet           | 16 pcs |            | 2/17/18  | 0.00      | 1.76    | Waterjet1             |           | DE 18/02/11       |
| 120   | QC                 | 16 pcs |            | 2/17/18  | 0.00      | 0.00    | QC2 Waterjet-1        |           | DE 18/02/11       |
| 130   | QC                 | 16 pcs |            | 2/17/18  | 0.00      | 0.00    | QC8-1                 |           | 38                |
| 140   | Brake NC           | 16 pcs |            | 2/19/18  | 0.03      | 2.86    | Brake NC 1            |           | DA88 56           |
| 150   | QC                 | 16 pcs |            | 2/19/18  | 0.00      | 0.00    | QC5                   |           | 38                |
| 160   | Outsource          | 16 pcs |            | 2/19/18  | 0.00      | 0.00    | Outsource4            |           | AP 8/03/12        |
| 170   | Packaging          | 16 pcs |            | 2/19/18  | 0.00      | 0.00    | Packaging2            |           | AT 08/03/12       |
| 180   | QC                 | 16 pcs |            | 2/19/18  | 0.00      | 0.00    | QC5                   |           | 38                |
| 210   | Packaging          | 16 pcs |            | 2/19/18  | 0.00      | 0.00    | Packaging3-1          |           | CT 03 MAR 02 2018 |
| 220   | QC21-SA            | 16 Ea  |            | 2/19/18  | 0.00      | 0.00    | QC21                  |           | 38                |

Part Op 110 - 1-Cut as per Dwg \*\*\*\*\*Debur by hand only\*\*\*\*\*

Descriptions: 160 - Issue P/O to ATG : 60051021

210 - \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV\*\*\*

### Job BOM

| Part / Item  | Component Name     | Quantity             | Operation             | Container |
|--------------|--------------------|----------------------|-----------------------|-----------|
| M7075T6S.050 | 7075-T6 Sheet .050 | 6.5968 sf (.4123 ea) | 90-Start up Operation |           |

### Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | M7075T6S.050   | 7        | 47        | 0         |

### Part Specifications

| Spec No | Description | Target/Tolerance    | Limits         | Type | Special Comments |
|---------|-------------|---------------------|----------------|------|------------------|
| 1       | Gusset      | 3.080Inches ± 0.005 | 3.085<br>3.075 |      |                  |
| 2       | Gusset      | 1.060Inches ± 0.005 | 1.065<br>1.055 |      |                  |
| 3       | Gusset      | 0.050Inches ± 0.005 | 0.055<br>0.045 |      |                  |

Plex 1/31/18 9:30 AM Dart.Gagnon.Michelle

**DART**  
AEROSPACE  
**S041753**



Gusset

**PART NO: 647.1712**  
**Original Serial #: S041753**  
**Revision:**  
**Operation:**  
**Change No:**

**Start up Operation 02/13/18**

**Job No: 171188**

**Dart Aerospace Ltd.**  
1270 Aberdeen Street  
Hawkesbury, ON K64 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                          |                                                                                                                                                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
|--------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|----------------------|--------------------------|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |                          | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |                          | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
| Date :                                                       |                          | Step #:                                                                                                                                                                            |                          | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   | <b>MRB (QSI042) Approval</b><br><br><br><b>Completed By</b><br><br><br><b>Lead hand / Supervisor Approval Verification</b><br><br><br><b>QC / QA Coordinator Approval</b> |                       |                          |                      |                          |
| <b>Description Work Order Deviation</b>                      |                          |                                                                                                                                                                                    |                          | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
|                                                              |                          |                                                                                                                                                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
|                                                              |                          |                                                                                                                                                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
| <b>Root Cause</b>                                            |                          | <b>FAULT CATEGORY</b>                                                                                                                                                              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
| Environment                                                  | <input type="checkbox"/> | No Re-verification                                                                                                                                                                 | <input type="checkbox"/> | Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Temperature/Cure                  | <input type="checkbox"/>                                                                                                                                                  | Power Loss/Surge      | <input type="checkbox"/> | Positioned Wrong     | <input type="checkbox"/> |
| Design                                                       | <input type="checkbox"/> | Operator                                                                                                                                                                           | <input type="checkbox"/> | Bending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | Set-up                            | <input type="checkbox"/>                                                                                                                                                  | Folio/Program         | <input type="checkbox"/> | Outside Dimensions   | <input type="checkbox"/> |
| Doc/Data                                                     | <input type="checkbox"/> | Offset/Setup                                                                                                                                                                       | <input type="checkbox"/> | Centre Not Concentric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> | BOM/Route                         | <input type="checkbox"/>                                                                                                                                                  | Grain                 | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> |
| Equip/Tooling                                                | <input type="checkbox"/> | Supplier                                                                                                                                                                           | <input type="checkbox"/> | Cracks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Broken/Damage/Defect              | <input type="checkbox"/>                                                                                                                                                  | Weld                  | <input type="checkbox"/> | Part Incorrect       | <input type="checkbox"/> |
| Handling/Pre                                                 | <input type="checkbox"/> | Training                                                                                                                                                                           | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Inspection Incomplete/Unqualified | <input type="checkbox"/>                                                                                                                                                  | Wrong Stock Pulled    | <input type="checkbox"/> | Part Lost/Missing    | <input type="checkbox"/> |
| Material                                                     | <input type="checkbox"/> | Use for Testing                                                                                                                                                                    | <input type="checkbox"/> | Cuffs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> | Contamination                     | <input type="checkbox"/>                                                                                                                                                  | Out of Sequence       | <input type="checkbox"/> | Part Moved           | <input type="checkbox"/> |
| Internal Transport                                           | <input type="checkbox"/> | Poor Information                                                                                                                                                                   | <input type="checkbox"/> | Crushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | Countersink                       | <input type="checkbox"/>                                                                                                                                                  | Off-set               | <input type="checkbox"/> | Drawing              | <input type="checkbox"/> |
| Tribal Knowledge                                             | <input type="checkbox"/> | Rushing                                                                                                                                                                            | <input type="checkbox"/> | Heat Treat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Cut Too Short                     | <input type="checkbox"/>                                                                                                                                                  | Mislabeled            | <input type="checkbox"/> | Finish               | <input type="checkbox"/> |
| LOA                                                          | <input type="checkbox"/> | Product Improvement                                                                                                                                                                | <input type="checkbox"/> | Wave/Twist in Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | Instructions Incomplete/Unclear   | <input type="checkbox"/>                                                                                                                                                  | Fit/Function          | <input type="checkbox"/> | Misread              | <input type="checkbox"/> |
| Substation                                                   | <input type="checkbox"/> | Process Improvement                                                                                                                                                                | <input type="checkbox"/> | Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | Drill Holes                       | <input type="checkbox"/>                                                                                                                                                  | Misaligned/off center | <input type="checkbox"/> | Turning Sequence     | <input type="checkbox"/> |
| Past Expiry Date                                             | <input type="checkbox"/> | Manufacturing Process                                                                                                                                                              | <input type="checkbox"/> | <b>OTHER :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |
| Misidentified                                                | <input type="checkbox"/> | Past Due                                                                                                                                                                           | <input type="checkbox"/> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                   |                                                                                                                                                                           |                       |                          |                      |                          |

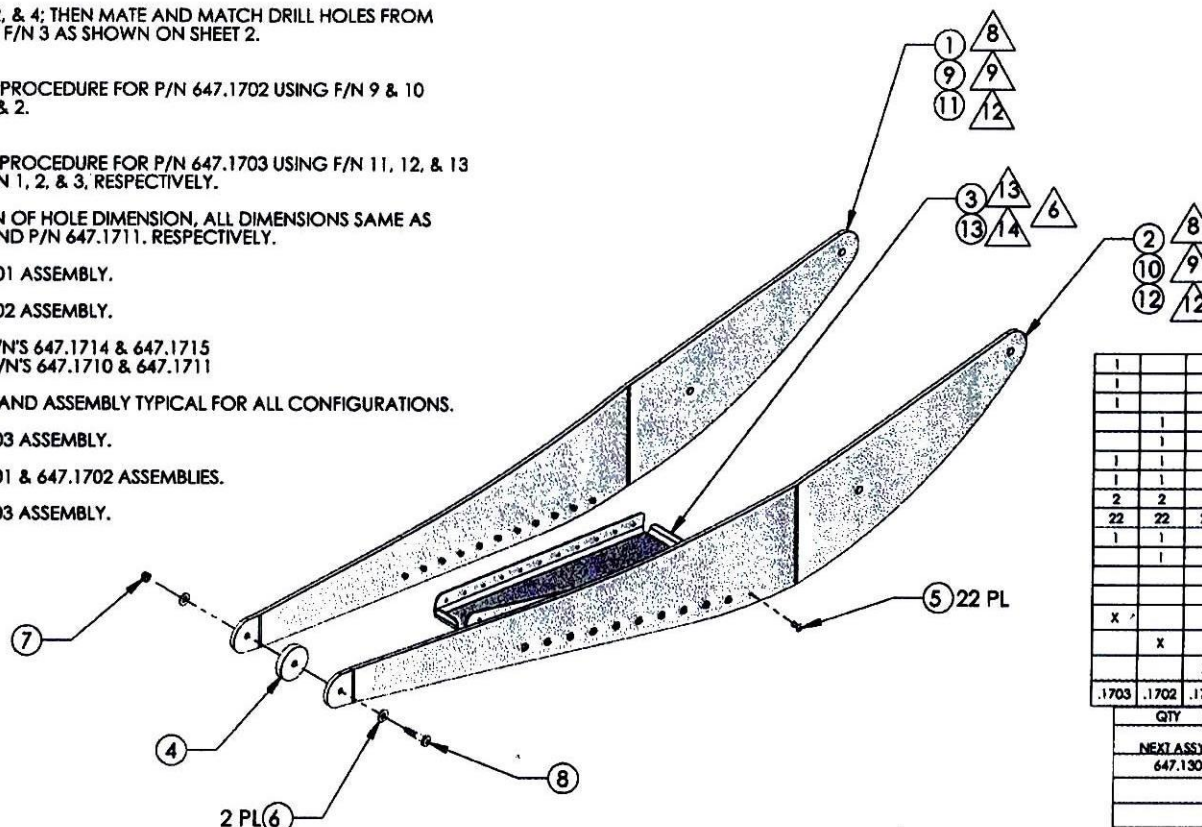


NOTES:

- | REVISIONS |                                         |          |          |
|-----------|-----------------------------------------|----------|----------|
| REV.      | DESCRIPTION                             | DATE     | APPROVE  |
|           | LAST PROTOTYPE REVISION: P92            |          | N/C      |
| N/C       | INITIAL RELEASE                         | 06/05/09 | P. BRAYO |
|           | INCORPORATED ECN'S 02937 & 03921        | 06/02/13 | P. BRAYO |
|           | INCORPORATED ECN 04970                  | 07/03/13 | P. BRAYO |
| C         | INCORPORATED ECN 04058                  | 08/14/13 | P. BRAYO |
|           | INCORPORATED ECN'S 04627, 04702 & 04964 | 05/29/15 | P. BRAYO |
| F         | INCORPORATED ECN 05352                  | 03/21/16 | P. BRAYO |

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SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 171188

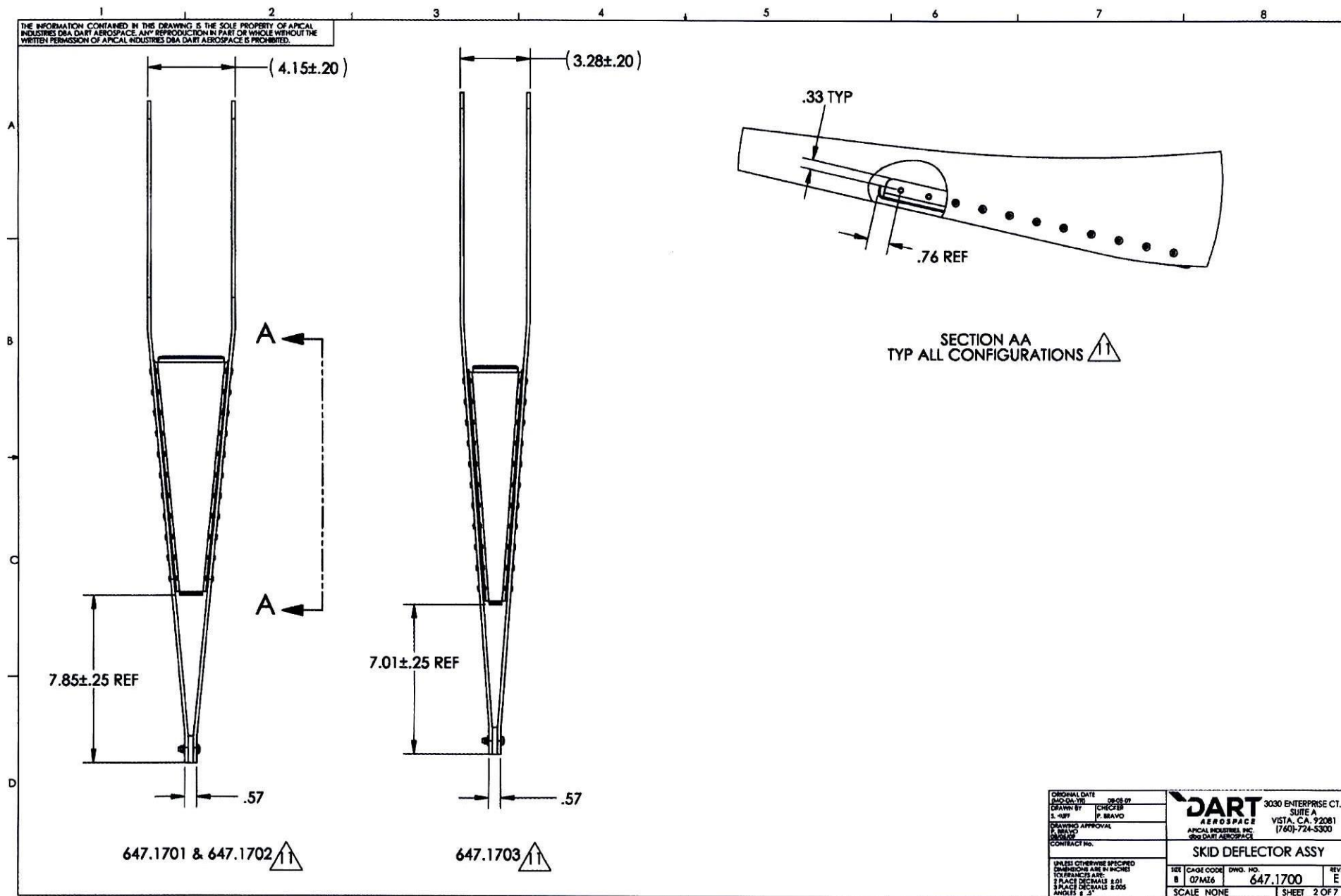
JAN 31 2018



|       |       |       |        |          |                     |               |       |   |
|-------|-------|-------|--------|----------|---------------------|---------------|-------|---|
| 1     |       |       | 13     | 647.1718 | GUSSET              |               | △     | △ |
| 1     |       |       | 12     | 647.1717 | PLATE               |               | △     | △ |
| 1     |       |       | 11     | 647.1716 | PLATE               |               | △     | △ |
|       | 1     |       | 10     | 647.1715 | PLATE               |               | △     | △ |
|       | 1     |       | 9      | 647.1714 | PLATE               |               | △     | △ |
| 1     | 1     | 1     | 8      | 601.1622 | SCREW               | MS27039-1-14  |       |   |
| 1     | 1     | 1     | 7      | 601.2943 | LOCKNUT             | MS21042-3     |       |   |
| 2     | 2     | 2     | 6      | 601.1607 | WASHER              | NAS1149F0332P |       |   |
| 22    | 22    | 22    | 5      | 601.1915 | RIVET               | CR3213-4-4    |       |   |
| 1     | 1     | 1     | 4      | 647.1713 | SPACER              |               | △     | △ |
|       | 1     | 1     | 3      | 647.1712 | GUSSET              |               | △     | △ |
|       |       | 1     | 2      | 647.1711 | PLATE               |               | △     | △ |
|       |       | 1     | 1      | 647.1710 | PLATE               |               | △     | △ |
| X     |       |       |        | 647.1703 | SKID DEFLECTOR ASSY |               |       |   |
|       | X     |       |        | 647.1702 | SKID DEFLECTOR ASSY |               |       |   |
|       |       | X     |        | 647.1701 | SKID DEFLECTOR ASSY |               |       |   |
| .1703 | .1702 | .1701 | FIND # | PART #   | DESCRIPTION         | MATL          | SPEC. |   |

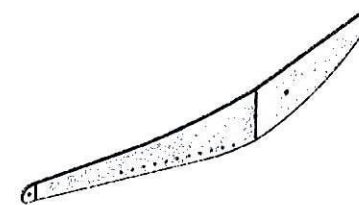
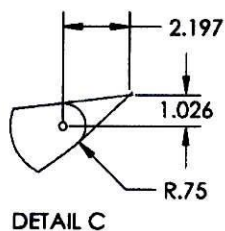
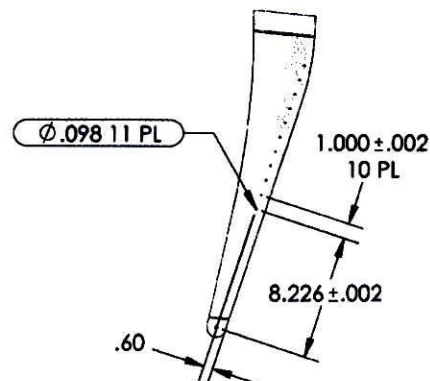
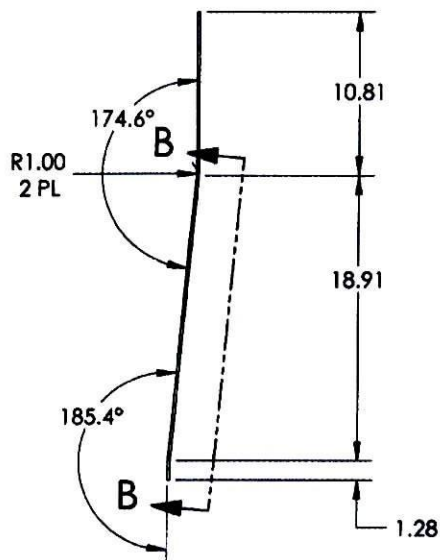
|                                                                                                                                                                     |  |                                                                                                                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| QTY                                                                                                                                                                 |  | PARTS LIST                                                                                                                                                |  |
| NEXT ASSY (S)                                                                                                                                                       |  |  3030 ENTERPRISE CT.<br>SUITE A<br>VISTA, CA 92081<br>(760)-724-5300 |  |
| 647.1300                                                                                                                                                            |  | AEROSPACE<br>SPECIAL INQUIRIES, SEE<br>OUR AERO AGENCY                                                                                                    |  |
| ORIGINAL DATE 08-20-01<br>DESIGNED BY C. EMMETT<br>S. HUFF P. BRAYO<br>DRAWING APPROVAL<br>DATE 08-20-01<br>DRAWN BY<br>CONTRACT No.                                |  | SKID DEFLECTOR ASSY                                                                                                                                       |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>3 DEC. DECIMALS ±.015<br>2 DEC. DECIMALS ±.008<br>1 DEC. DECIMALS ±.005<br>ANGLES ± 5° |  | SEE CASE CODE DWG. NO.<br>072M6 647.1700 REV.<br>SCALE NONE 1 SHEET 1 OF 2                                                                                |  |

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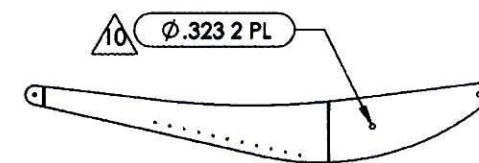


|                                                                                                                                             |                 |                                                                                                                                                                                                                             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| ORIGINAL DATE 08-08-07                                                                                                                      |                 |  <div>3030 ENTERPRISE CT.<br/>SUITE A<br/>VISTA, CA. 92081<br/>(760) 724-5300<br/>APICAL INDUSTRIES, INC.<br/>DBA DART AEROSPACE</div> |        |
| DRAWN BY S. KIPP                                                                                                                            |                 |                                                                                                                                                                                                                             |        |
| CHECKED P. BRAYD                                                                                                                            |                 |                                                                                                                                                                                                                             |        |
| DRAWING APPROVAL P. BRAYD                                                                                                                   |                 |                                                                                                                                                                                                                             |        |
| DATE 08-08-07                                                                                                                               |                 |                                                                                                                                                                                                                             |        |
| CONTRACT No.                                                                                                                                |                 |                                                                                                                                                                                                                             |        |
| SKID DEFLECTOR ASSY                                                                                                                         |                 |                                                                                                                                                                                                                             |        |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>1 PLACE DECIMALS ±.01<br>2 PLACE DECIMALS ±.005<br>ANGLES ±.5° |                 |                                                                                                                                                                                                                             |        |
| SEE B                                                                                                                                       | CAGE CODE 07M26 | DWG. NO. 647.1700                                                                                                                                                                                                           | REV. E |
| SCALE NONE                                                                                                                                  |                 | SHEET 2 OF 7                                                                                                                                                                                                                |        |

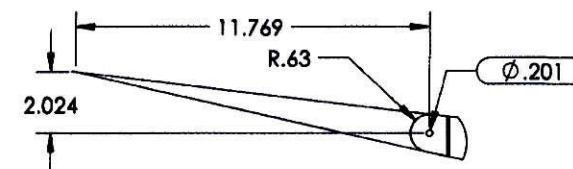
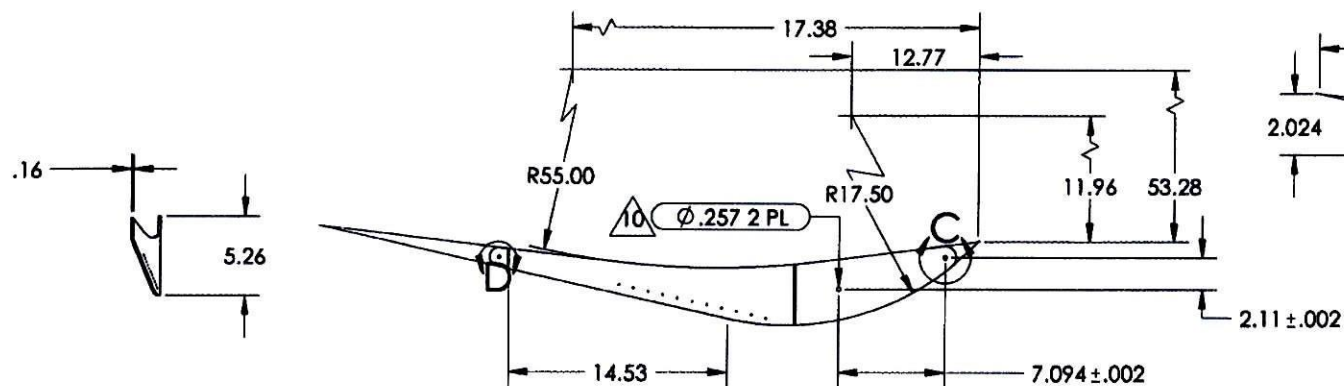
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647.1711 SHOWN  
647.1710 OPPOSITE

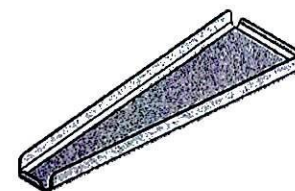
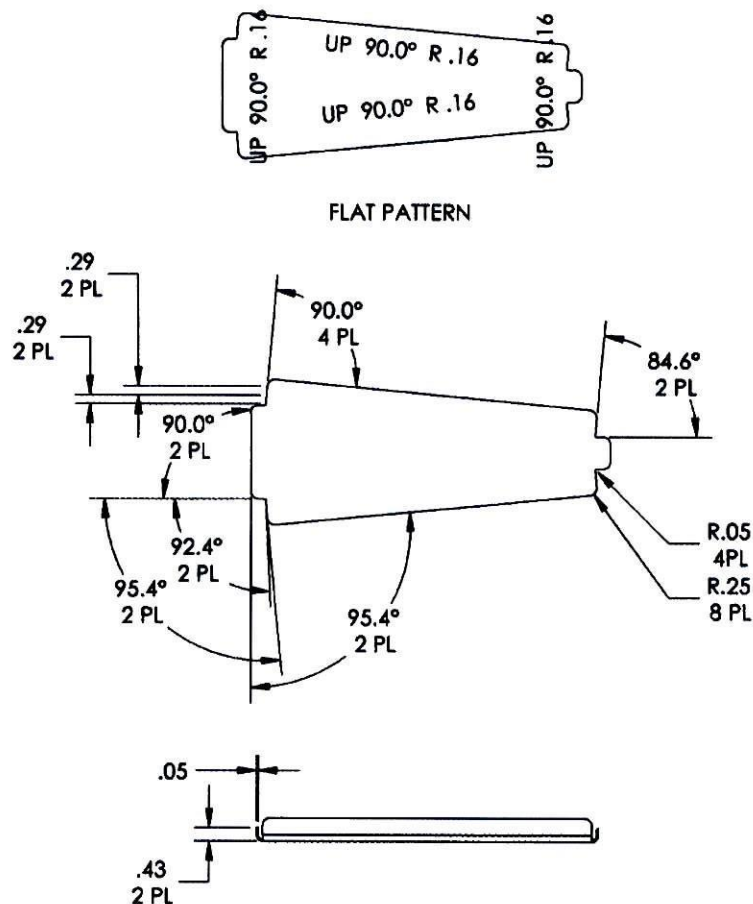
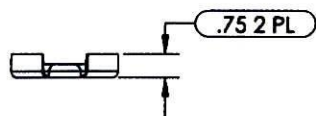
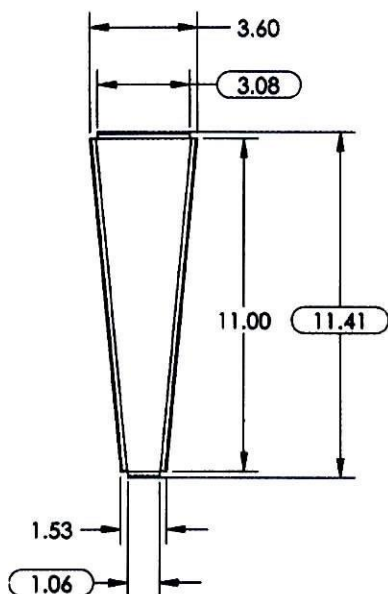


647.1714 SHOWN  
647.1715 OPPOSITE



|                                                                                                                                             |                    |                                                                                                                                                            |           |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| ORIGINAL DATE<br>11-04-78                                                                                                                   |                    | 08-05-09                                                                                                                                                   |           |
| DRAWN BY<br>S. HARR                                                                                                                         | CHECKED<br>P. BRAY |  3030 ENTERPRISE CT.<br>SUITE A<br>VISTA, CA, 92081<br>(760)-724-5300 |           |
| DRAWING APPROVAL<br>P. BRAY                                                                                                                 |                    | APICAL INDUSTRIES, INC.<br>DBA DART AEROSPACE                                                                                                              |           |
| CONTRACT NO.                                                                                                                                |                    | SKID DEFLECTOR ASSY                                                                                                                                        |           |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>3 PLACE DECIMALS ±.01<br>2 PLACE DECIMALS ±.005<br>ANGLES ±.5° |                    |                                                                                                                                                            |           |
| SER<br>8                                                                                                                                    | CAGE CODE<br>07M26 | DWG. NO.<br>647.1700                                                                                                                                       | REV.<br>E |
| SCALE NONE                                                                                                                                  |                    | SHEET 3 OF 7                                                                                                                                               |           |

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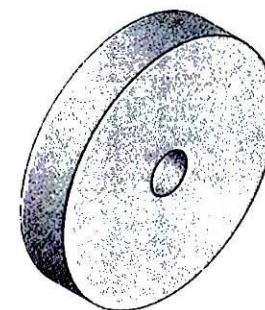
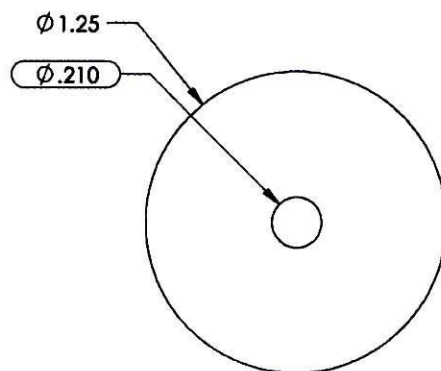
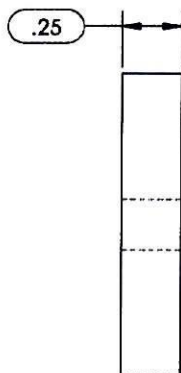


647.1712

|                                                                                                                                             |                             |                                                                                                                                                 |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| ORIGINAL DATE<br>(MM-DD-YY)                                                                                                                 | 08-08-21                    | <b>DART</b><br>AEROSPACE<br>3030 ENTERPRISE CT., SUITE A<br>VISTA, CA. 92081<br>(760)-724-5300<br>APICAL INDUSTRIES, INC.<br>DBA DART AEROSPACE | <b>SKID DEFLECTOR ASSY</b> |
| DRAWN BY                                                                                                                                    | CHECKER                     |                                                                                                                                                 |                            |
| DRAWING APPROVAL                                                                                                                            |                             |                                                                                                                                                 |                            |
| CONTRACT NO.                                                                                                                                |                             |                                                                                                                                                 |                            |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>3 PLACE DECIMALS ±.01<br>2 PLACE DECIMALS ±.005<br>ANGLES ±.5° | REV.<br>B 07MA26 647.1700 E | SCALE NONE                                                                                                                                      | SHEET 4 OF 7               |



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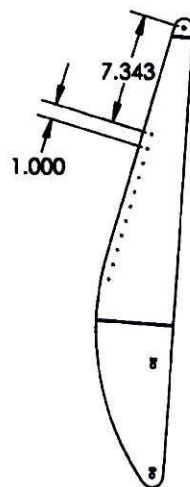
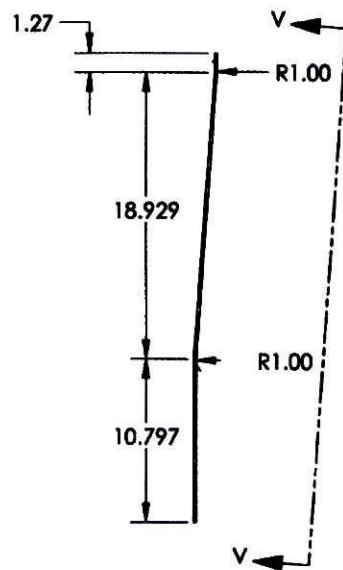


647.1713

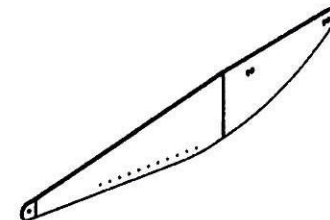
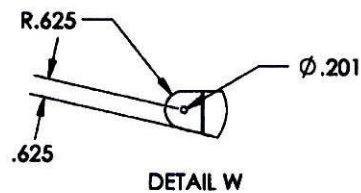
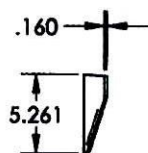
|                                                                                                                                             |  |                     |                    |                                                                       |           |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--------------------|-----------------------------------------------------------------------|-----------|
| ORIGINAL DATE<br>(MM-DD-YY)                                                                                                                 |  | REV. OF             |                    | 3030 ENTERPRISE CT.,<br>SUITE A<br>VISTA, CA. 92081<br>(760)-724-5300 |           |
| DRAWN BY<br>S. HOFF                                                                                                                         |  | CHECKED<br>P. BRAYO |                    | APCAL INDUSTRIES INC.<br>DBA DART AEROSPACE                           |           |
| DRAWING APPROVAL<br>P. BRAYO                                                                                                                |  | CONTRACT NO.        |                    | SKID DEFLECTOR ASSY                                                   |           |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>2 PLACE DECIMALS ±.01<br>3 PLACE DECIMALS ±.005<br>ANGLES ±.5° |  | SHEET<br>B          | CAGE CODE<br>07M26 | DWG. NO.<br>647.1700                                                  | REV.<br>E |
| SCALE: NONE                                                                                                                                 |  | SHEET 3 OF 7        |                    |                                                                       |           |



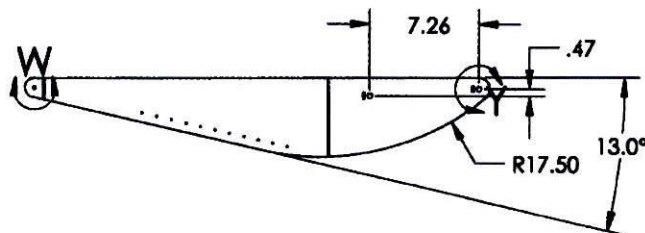
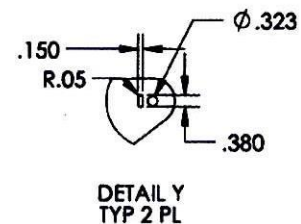
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VIEW V-V

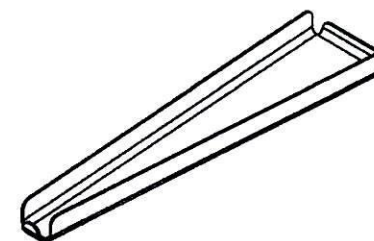
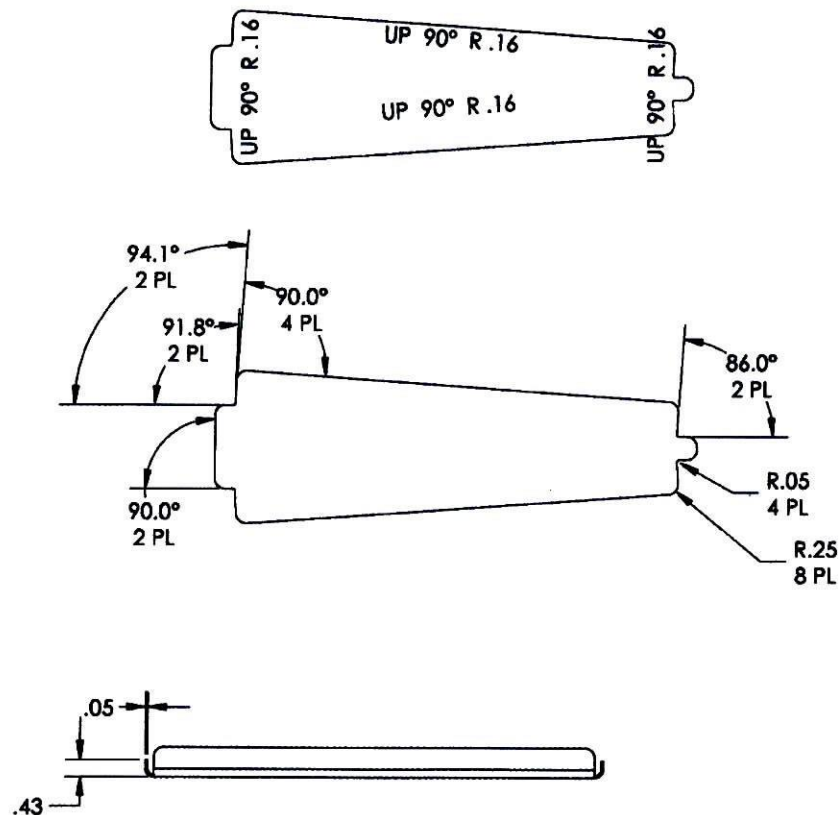
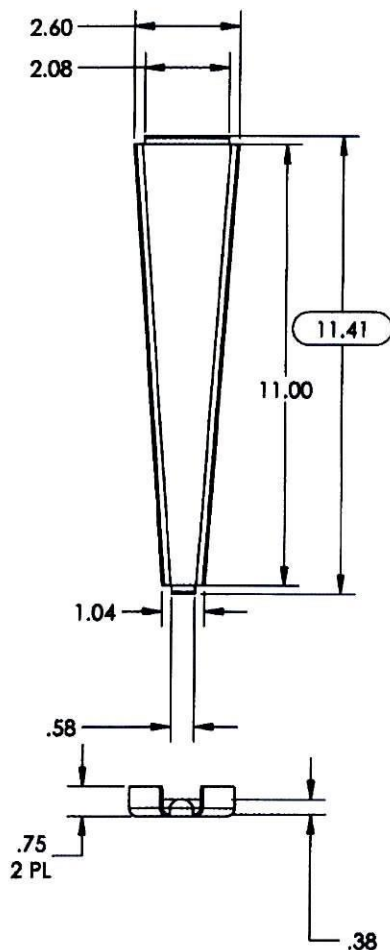


647.1716 SHOWN  
647.1717 OPPOSITE



|                                                                                   |  |                                 |              |
|-----------------------------------------------------------------------------------|--|---------------------------------|--------------|
| ORIGINAL DATE<br>08-05-09                                                         |  | 3030 ENTERPRISE CT.,<br>SUITE A |              |
| DRAWN BY<br>L. HUFF                                                               |  | VISTA, CA 92081                 |              |
| CHECKED BY<br>P. BRAVO                                                            |  | (760)-724-5300                  |              |
| DESIGNED BY<br>P. BRAVO                                                           |  | APICAL INDUSTRIES INC.          |              |
| APPROVED BY<br>P. BRAVO                                                           |  | DBA DART AEROSPACE              |              |
| CONTRACT NO.                                                                      |  | SKID DEFLECTOR ASSY             |              |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES                            |  | SCALE NONE                      |              |
| TOLERANCES ARE:<br>2 PLACE DECIMALS ±.01<br>3 PLACE DECIMALS ±.005<br>ANGLES ±.5° |  | SHEET<br>B 07/MZ6               | REV.<br>E    |
|                                                                                   |  | DWG. NO.<br>647.1700            | SHEET 6 OF 7 |

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647.1718

|                                                                                                           |                      |                                                               |                    |
|-----------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------|--------------------|
| ORIGINAL DATE: 08-05-07                                                                                   |                      | 3030 ENTERPRISE CT., SUITE A, VISTA, CA, 92081 (760) 724-5300 |                    |
| DESIGNED BY: S. HUN                                                                                       | CHECKED BY: P. BRAVO | DART AEROSPACE                                                |                    |
| DRAWING APPROVAL: [Signature]                                                                             |                      | APICAL INDUSTRIES, INC. DBA DART AEROSPACE                    |                    |
| CONTRACT NO.:                                                                                             |                      | SKID DEFLECTOR ASSY                                           |                    |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 3 PLACE DECIMALS ±.015 ANGLES ± .5° | SHEET: 8             | CAGE CODE: 07M26                                              | DWG. NO.: 647.1700 |
| SCALE: NONE                                                                                               |                      | REV. E                                                        |                    |
|                                                                                                           |                      | SHEET 7 OF 7                                                  |                    |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO039091**

**Supplier:** ATG001-VC  
A.T.G. Industries Inc  
731 INDUSTRIELLE ROAD  
ROCKLAND  
ON  
K4K 1T2 Canada  
Phone: 613-446-4544  
Fax: 613-446-4556

**Attention:** Lalande, Marc-Andre

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO039091  
**PO Date:** 2/22/18  
**Due Date:** 3/1/18  
**Purchase Order**  
**Revision:**  
**Revision Date:**  
**Ship-To Contact:** Phone:

**Via:** Ground  
**Pynt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

**E-MAILED**  
FEB 28 2018

| Items      |          |           |                                                                                                         |        |          |                |                   |                      |                  |                |
|------------|----------|-----------|---------------------------------------------------------------------------------------------------------|--------|----------|----------------|-------------------|----------------------|------------------|----------------|
| Line Item  | Job      | Part      | Description                                                                                             | Status | Due Date | Order Quantity | Received Quantity | Balance              | Unit Price (CAD) | Extended Price |
| 1          | 167749   | D4822-1   | Upper Deflector, LH<br>HARD ANODIZE IAW MIL-A-8625 TYPE 3 COLOUR<br>BLACK PRIME AS PER DWG D4821 REV. B | Firmed | 3/1/18   | 10 pcs         | 0 pcs             | 10 pcs               | \$31.45/pcs      | \$314.50       |
| 2          | 169823   | D4822-2   | Upper Right Deflector<br>Hard Anodize, Color Black and Prime as Per Dwg D4822 Rev. C                    | Firmed | 3/1/18   | 5 pcs          | 0 pcs             | 5 pcs                | \$31.45/pcs      | \$157.25       |
| 3          | 172047   | D5155-043 | Co-Pilot Collective Head Assembly (212/412)<br>Anodize Black as per Dwg D5155 Rev. B                    | Firmed | 3/1/18   | 2 pcs          | 0 pcs<br>2x       | 2 pcs<br>AT 18/02/18 | \$6.25/pcs       | \$12.50        |
| 4          | 170452   | 646.3110  | Channel<br>Issue P/O to ATG :<br>1- Hard Anodize Black and Prime as per Dwg 646.3100                    | Firmed | 3/1/18   | 12 pcs         | 0 pcs             | 12 pcs               | \$12.10/pcs      | \$145.20       |
| 5          | 171985   | 646.3313  | Upper Guide<br>Issue P/O to ATG :<br>Hard Anodize Color Black and Prime as per DWG 646.3300             | Firmed | 3/1/18   | 20 pcs         | 0 pcs             | 20 pcs               | \$14.55/pcs      | \$291.00       |
| 6          | 168292   | 647.1712  | Gusset<br>Issue P/O to ATG :<br>Hard Anodize, Color Black and Prime as per Dwg 647.1700 Rev. E          | Firmed | 3/1/18   | 4 pcs          | 0 pcs<br>4x       | 4 pcs<br>AT 18/03/02 | \$14.10/pcs      | \$56.40        |
|            |          | 171188    |                                                                                                         | Firmed | 3/1/18   | 16 pcs         | 16 pcs            | 16 pcs               | \$14.10/pcs      | \$225.60       |
| Sub Total: |          |           |                                                                                                         |        |          | 20             | 0                 | 20                   |                  | \$282.00       |
| 7          | 169389-A | 647.7821  | Eye Bolt Fitting LH<br>Issue P/O to ATG :<br>1- Black                                                   | Firmed | 3/1/18   | 4 pcs          | 0 pcs             | 4 pcs                | \$10.50/pcs      | \$42.00        |



A.T.G. Industries Inc.  
731 Industrielle Street  
Rockland, ON K4K 1T2  
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

### Pack List

Number: 914694

Date: 01-Mar-18

#### To

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

#### Ship To

Diane Baker  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                    |                 |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|
| <b>Terms</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                    | <b>Ship Via</b> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                    | OUR TRUCK       |  |
| <b>Quantity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Description</b>                                                                                                                                                                                                                                                 |                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.                                                                                                                    |                 |  |
| 20<br>ea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Part: 647.1712 Rev: E<br>Gusset<br>Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils)<br>Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing.<br>Job: 22582 PO: PO039091 Line: 6 |                 |  |
| <b>CERTIFICATE OF CONFORMANCE</b><br>A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.<br>Date: <u>4/3/18</u><br>Certified Signature: <u>[Signature]</u><br>Receiver Signature: _____<br>A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.<br>Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. |                                                                                                                                                                                                                                                                    |                 |  |
| Made in Canada.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                    |                 |  |